

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20615 - L2 Version 1
Chandra X-Ray Center

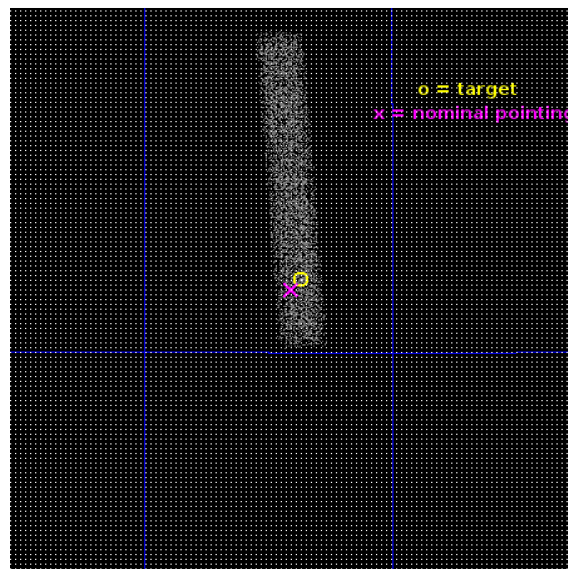
L2 Processing Date : Jan 11 2018

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1 Front

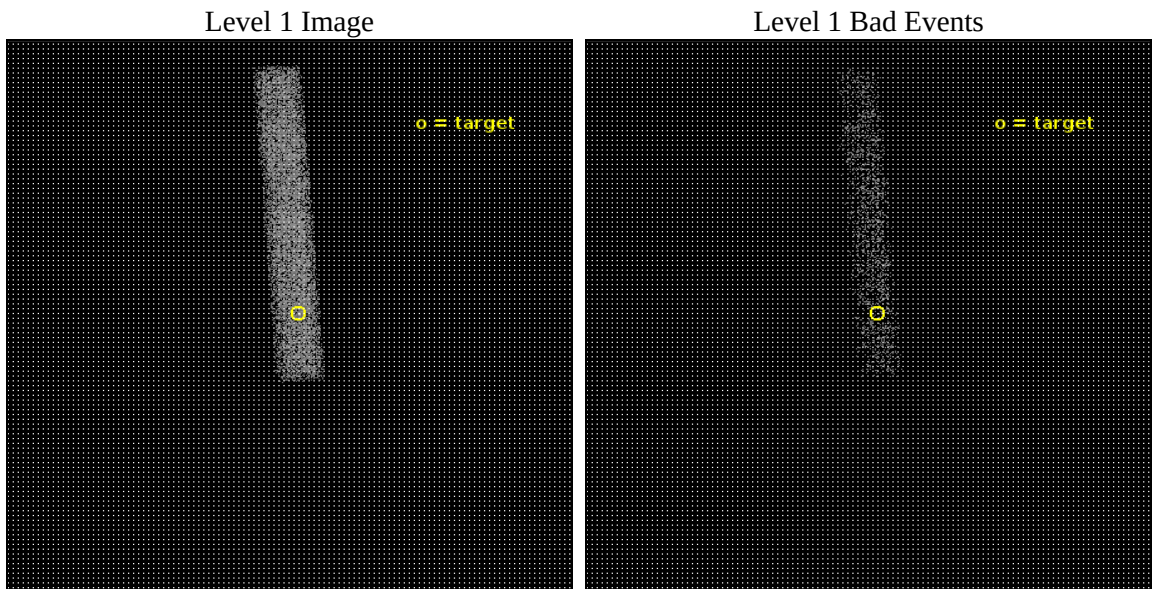
seq_num	201187	Sequence number
obs_id	20615	Observation id
title	Connecting mass accretion and ejection in pre-main sequence stars	
observer	Catherine Espaillat	Principal investigator
object	GM Aur	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.795833	Observer's specified target RA [deg]
dec_targ	30.366389	Observer's specified target Dec [deg]
ra_nom	73.800729330643	Nominal RA [deg]
dec_nom	30.361780911263	Nominal Dec [deg]
roll_nom	265.64192549694	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11569.194899917	Sum of GTIs [s]
livetime	10492.649102047	Livetime [s]
ontime7	11569.194899917	Sum of GTIs [s]
l2events	6922	Number of level 2 events



2 OBI

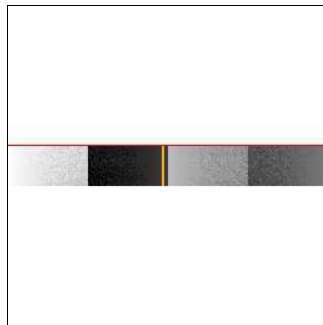
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11500.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	11569.194899917	Sum of GTIs [s]
caldbver	4.7.7	 	ontime7	11569.194899917	Sum of GTIs [s]
date	2018-01-11T15:49:21	Date and time of file creation	l1events	14564	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

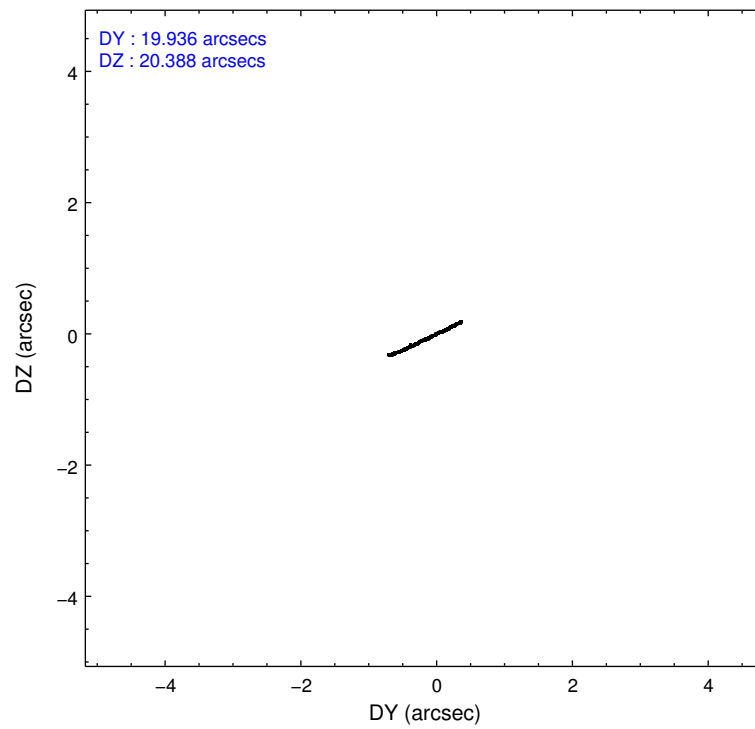
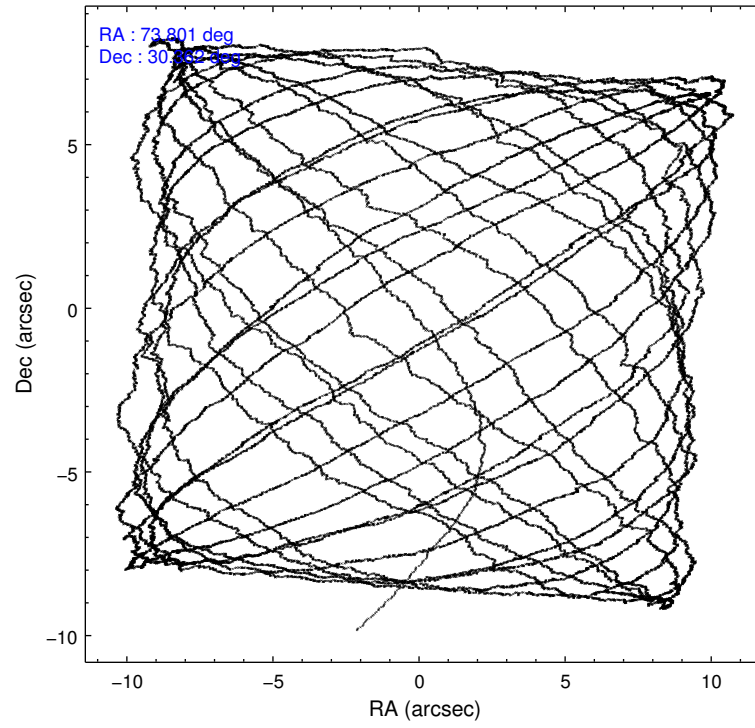
	ccd 7
level 1 events	14564
rejected events	7334
rejected %	50%

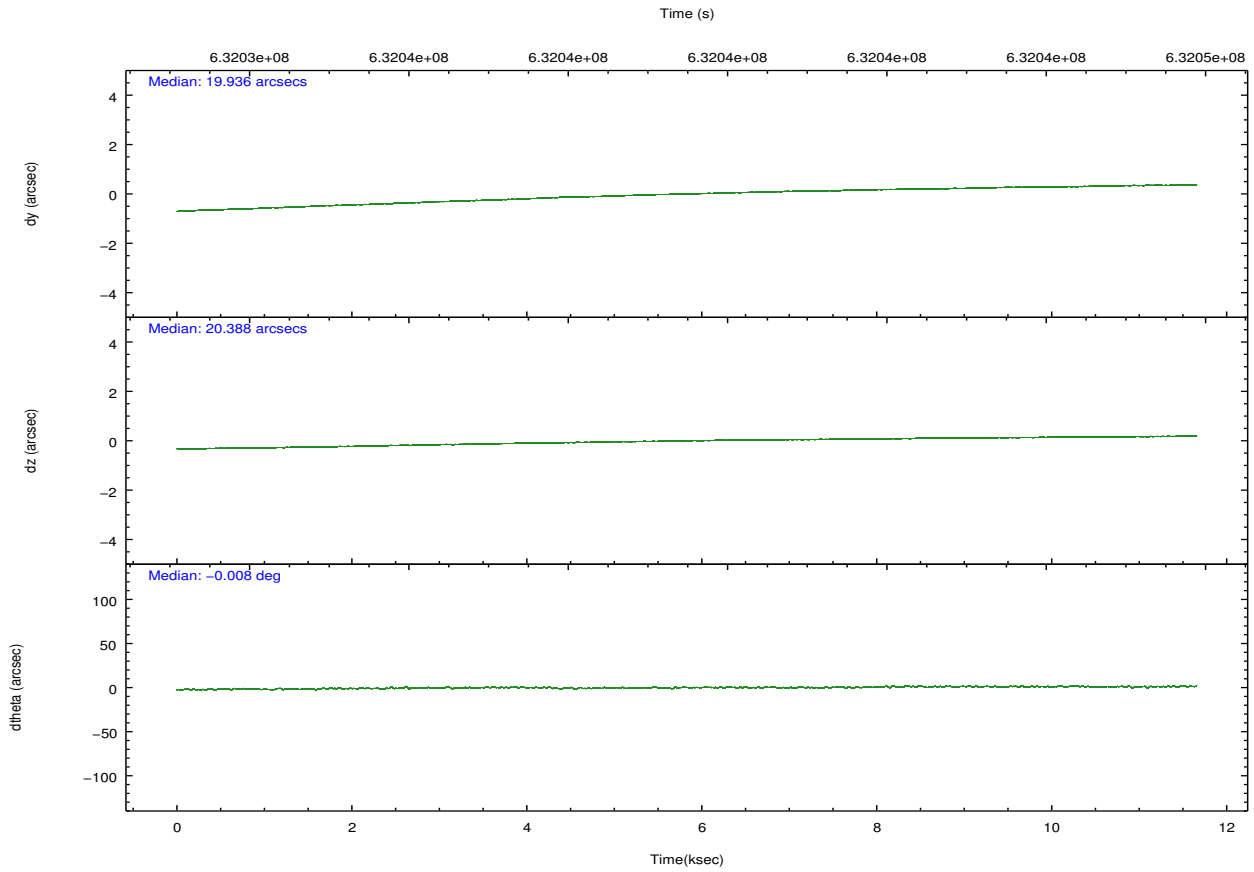
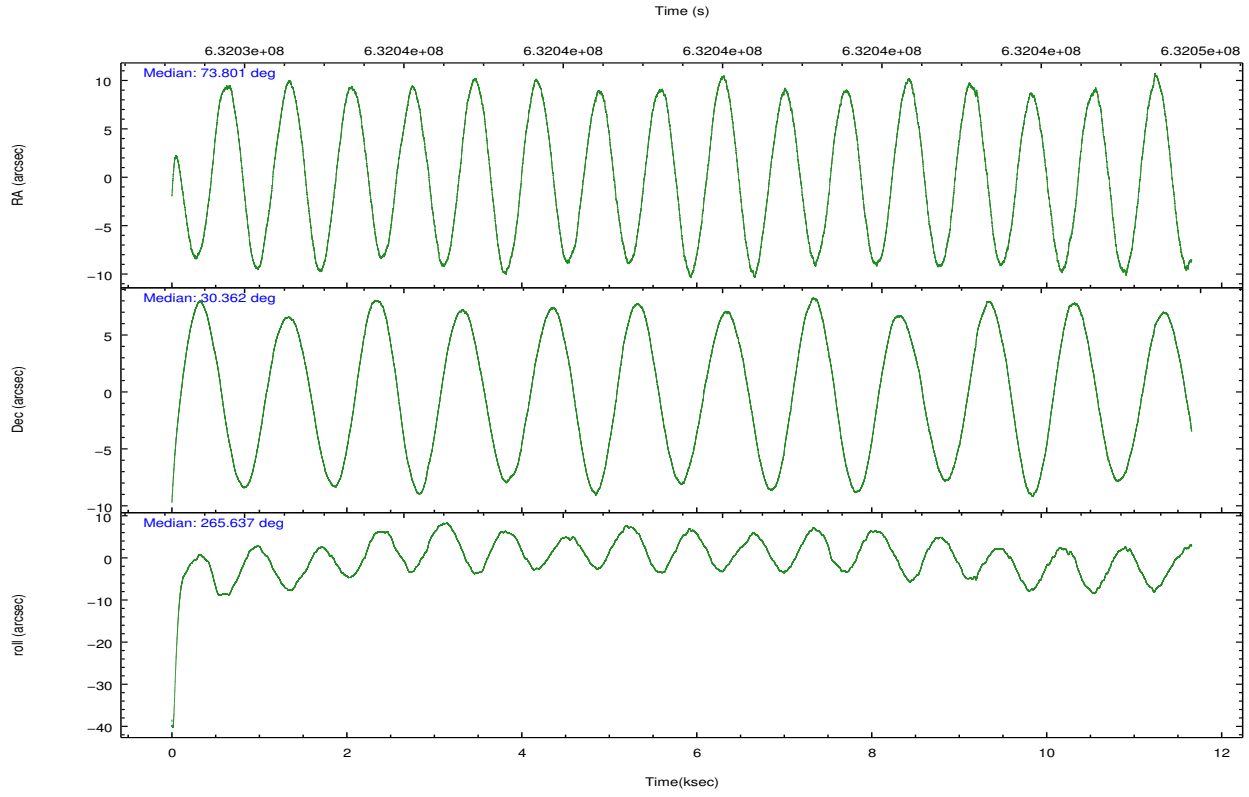
	ccd 7
grade 0 events	781
	5%
grade 1 events	17
	0%
grade 2 events	1323
	9%
grade 3 events	980
	6%
grade 4 events	922
	6%
grade 5 events	1434
	9%
grade 6 events	3224
	22%
grade 7 events	5883
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	73.786606	73.80072933064285	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	30.386309	30.36178091126316	Subarray start row	449	449
[deg] Pointing Roll	265.492482	265.6419254969394	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	632033827.184000	632033107.81636			
Observation start date	2018-01-11T04:55:58	2018-01-11T04:45:07			
[s] Observation end time (MET)	632045327.184000	632046731.60466			
Observation end date	2018-01-11T08:07:38	2018-01-11T08:32:11			
Read mode	TIMED	TIMED			

2.3 Aspect



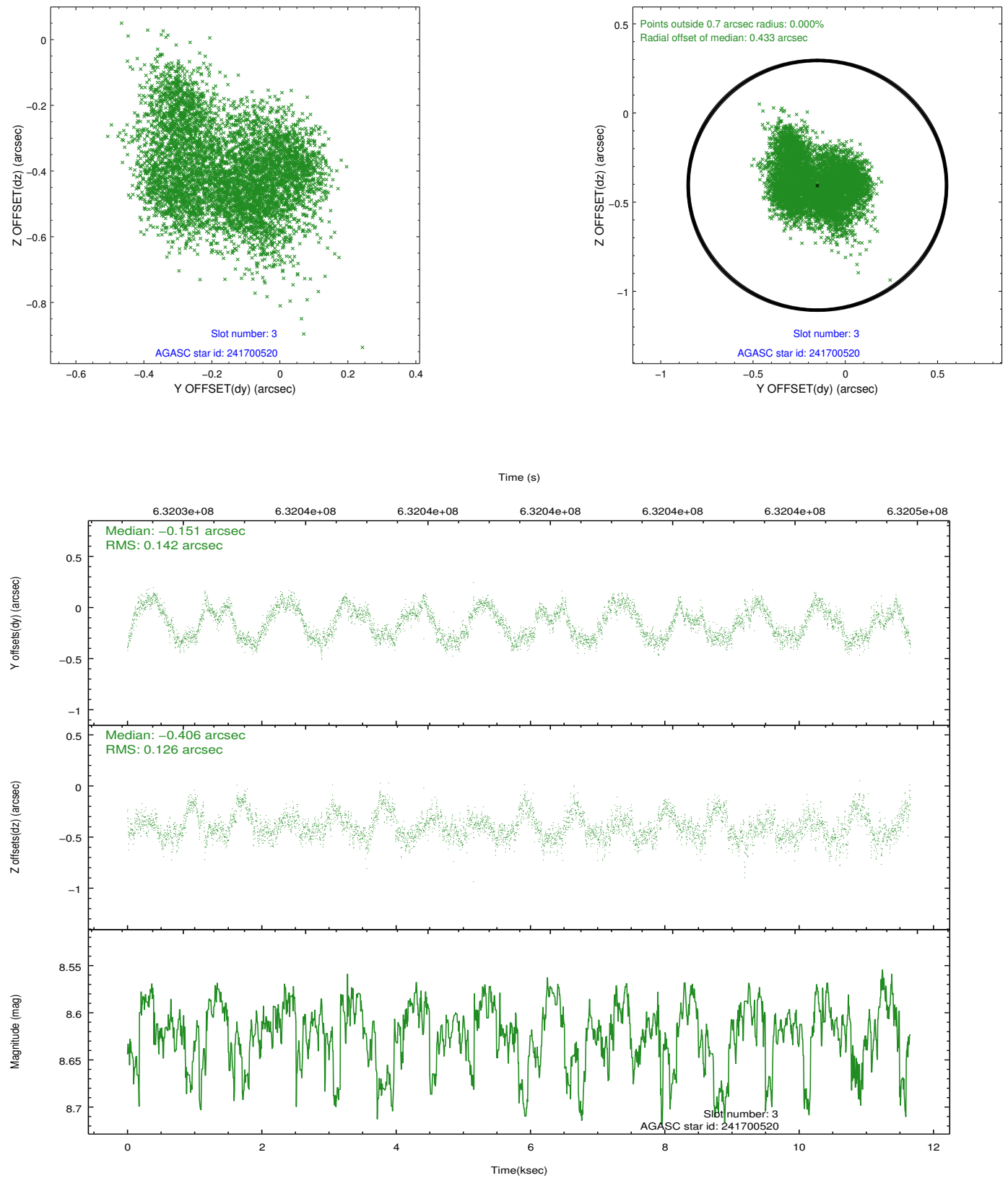


Slot Statistics

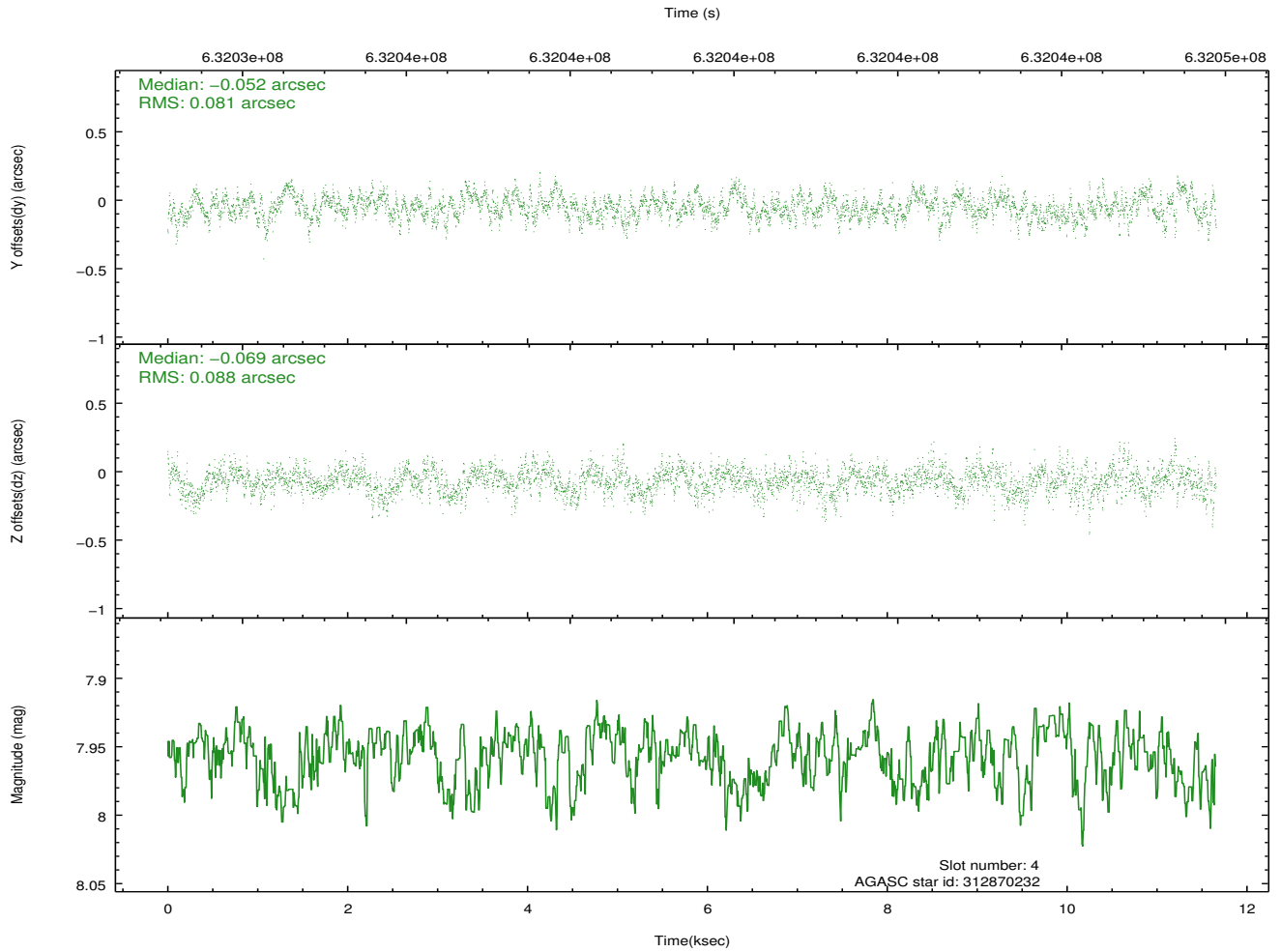
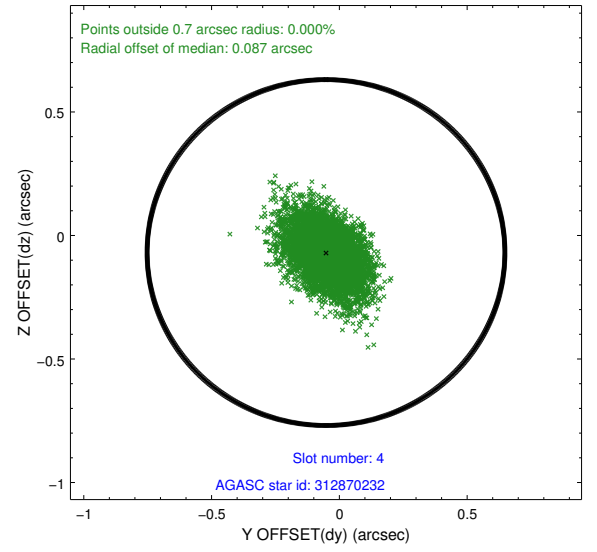
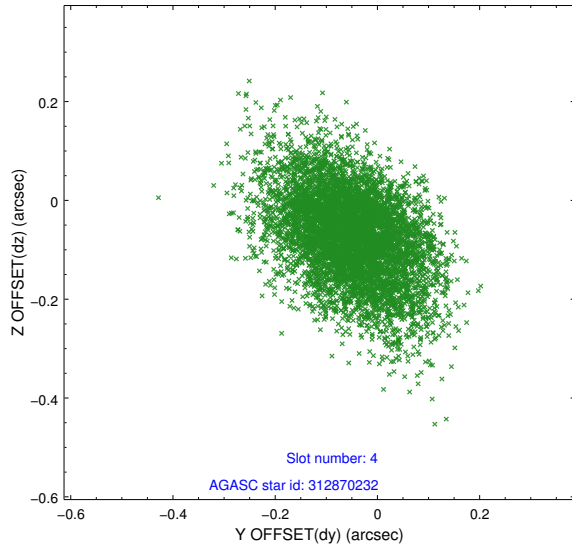
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.19	2844	0.314	-0.076	0.012	0.020	0.000000	0.000000	923.47	-1737.49
1	FID		ACIS-S-2	7.10	2843	-0.188	-0.045	0.007	0.011	0.000000	0.000000	-772.70	-1742.54
2	FID		ACIS-S-5	7.21	2844	-0.147	0.128	0.013	0.023	0.000000	0.000000	-1826.45	159.69
3	GUIDE	used	241700520	8.62	5684	-0.151	-0.406	0.209	0.303	74.420132	29.886487	1632.95	2112.27
4	GUIDE	used	312870232	7.96	5685	-0.052	-0.069	0.125	0.211	73.950966	30.337905	134.14	523.42
5	GUIDE	used	312872256	7.95	5688	0.511	0.808	0.141	0.235	73.250802	30.830210	-1465.91	-1776.13
6	GUIDE	used	313006640	9.00	5618	-0.071	-0.097	0.155	0.258	74.535303	30.638765	-1096.60	2239.83
7	GUIDE	used	313012784	8.24	5682	-0.232	-0.248	0.115	0.202	74.505645	30.125716	752.27	2305.85

2.4 Star Slots

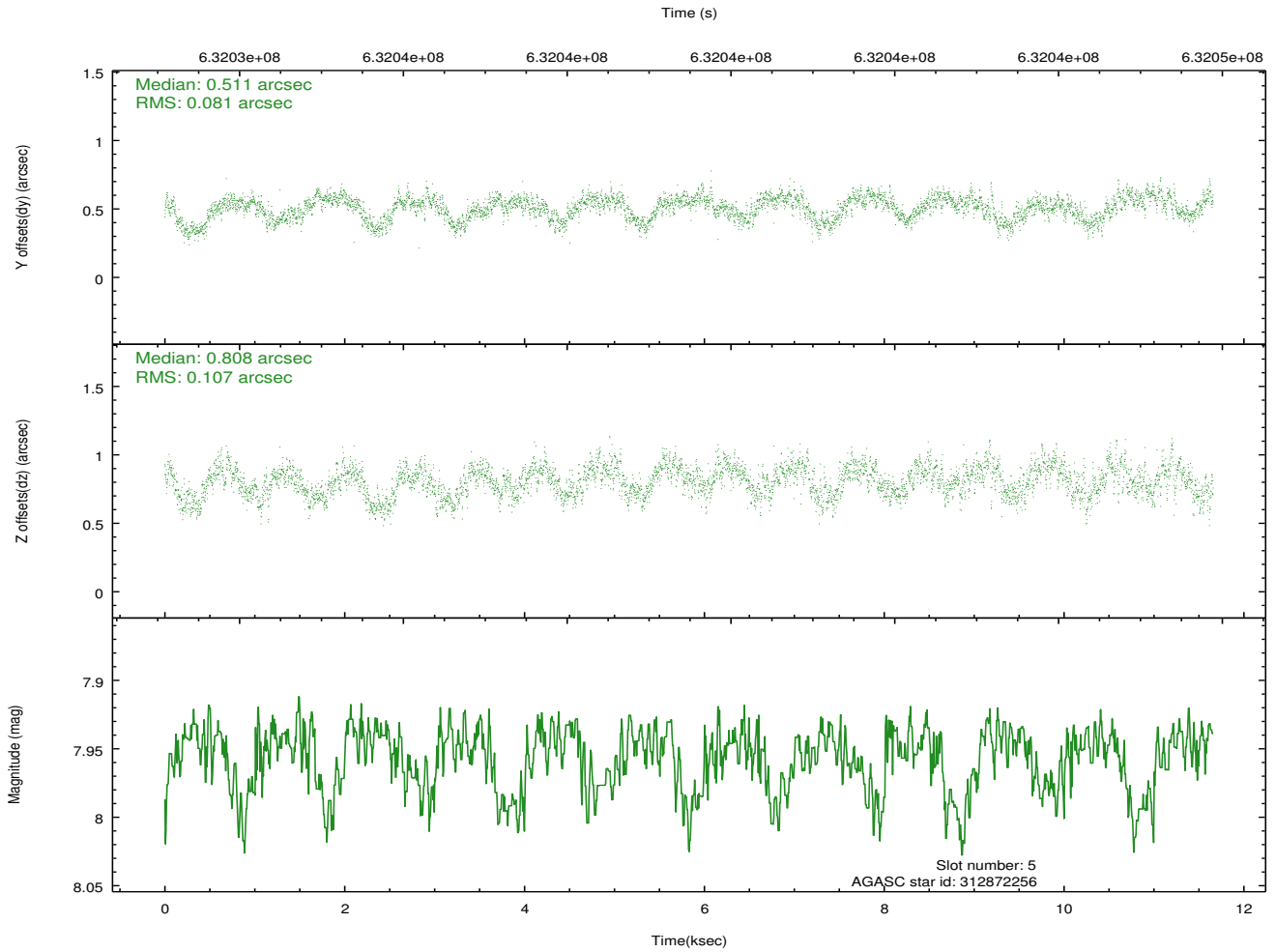
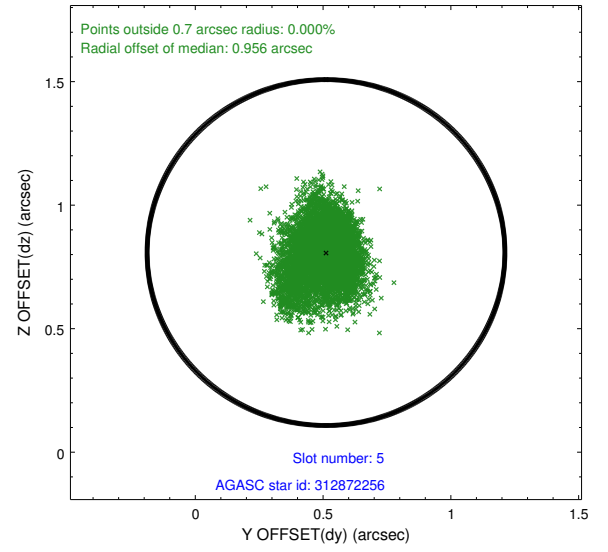
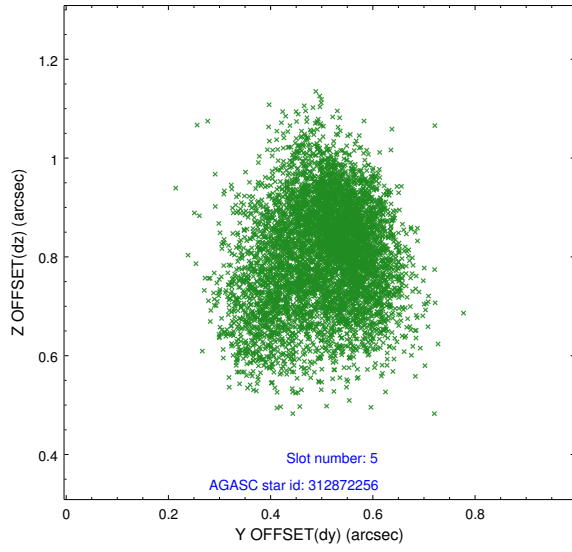
2.4.1 Slot 3



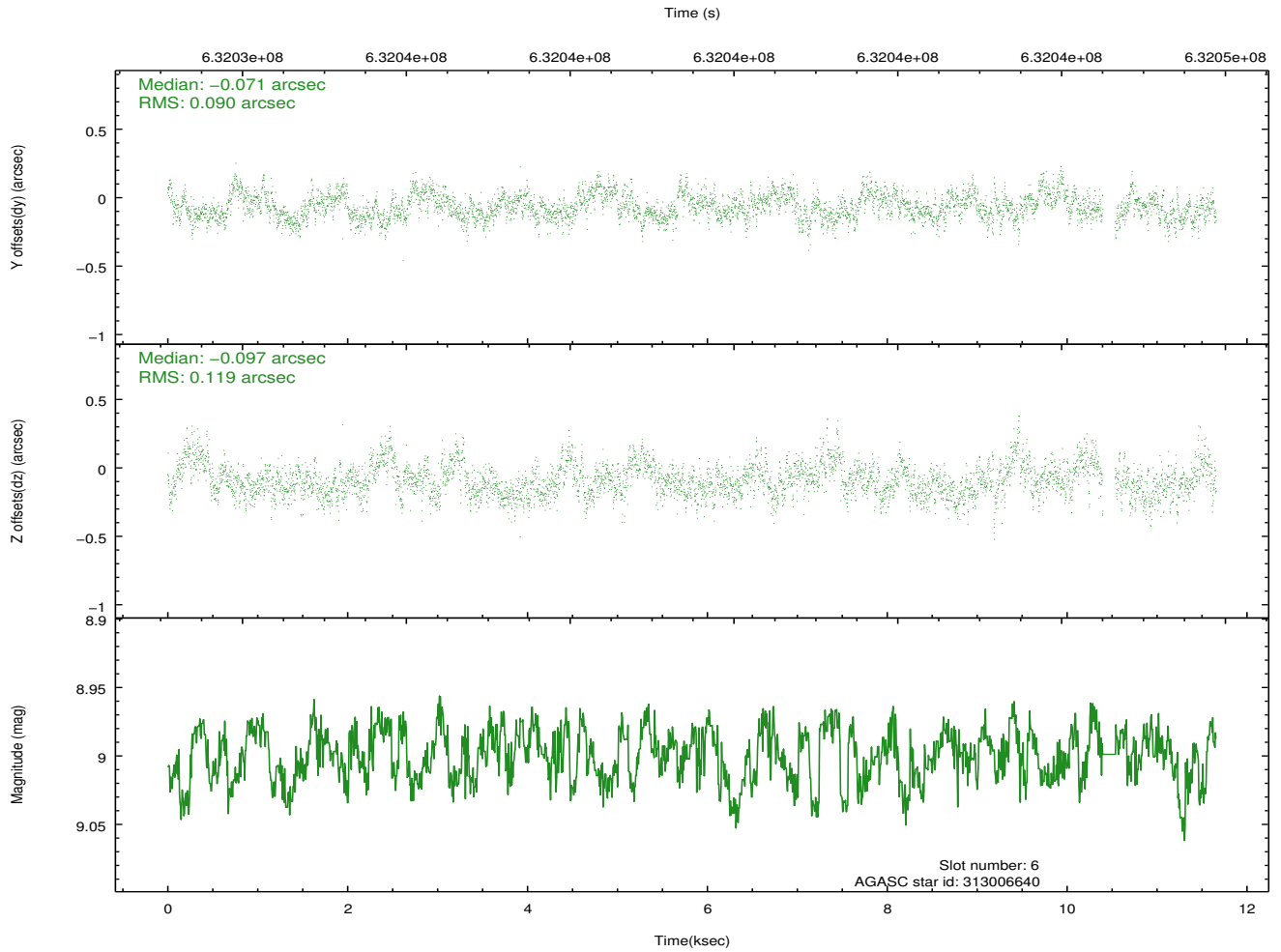
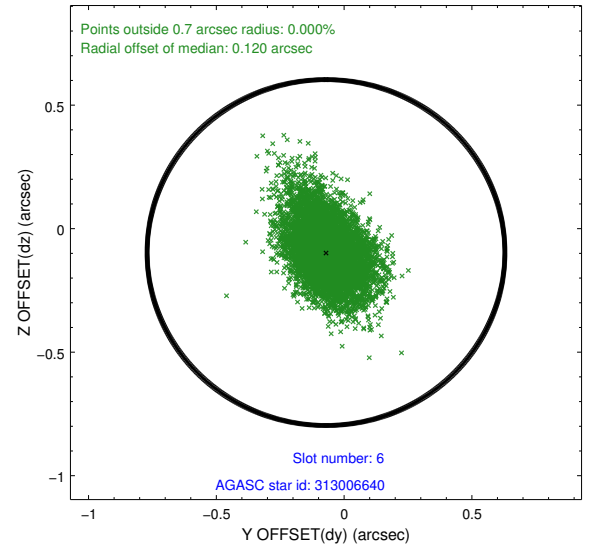
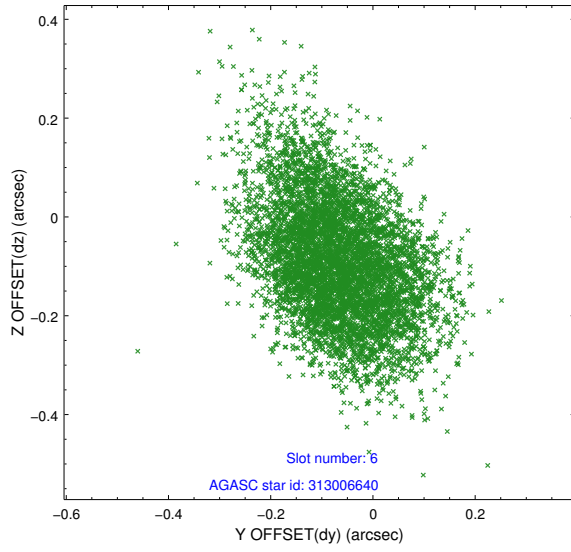
2.4.2 Slot 4



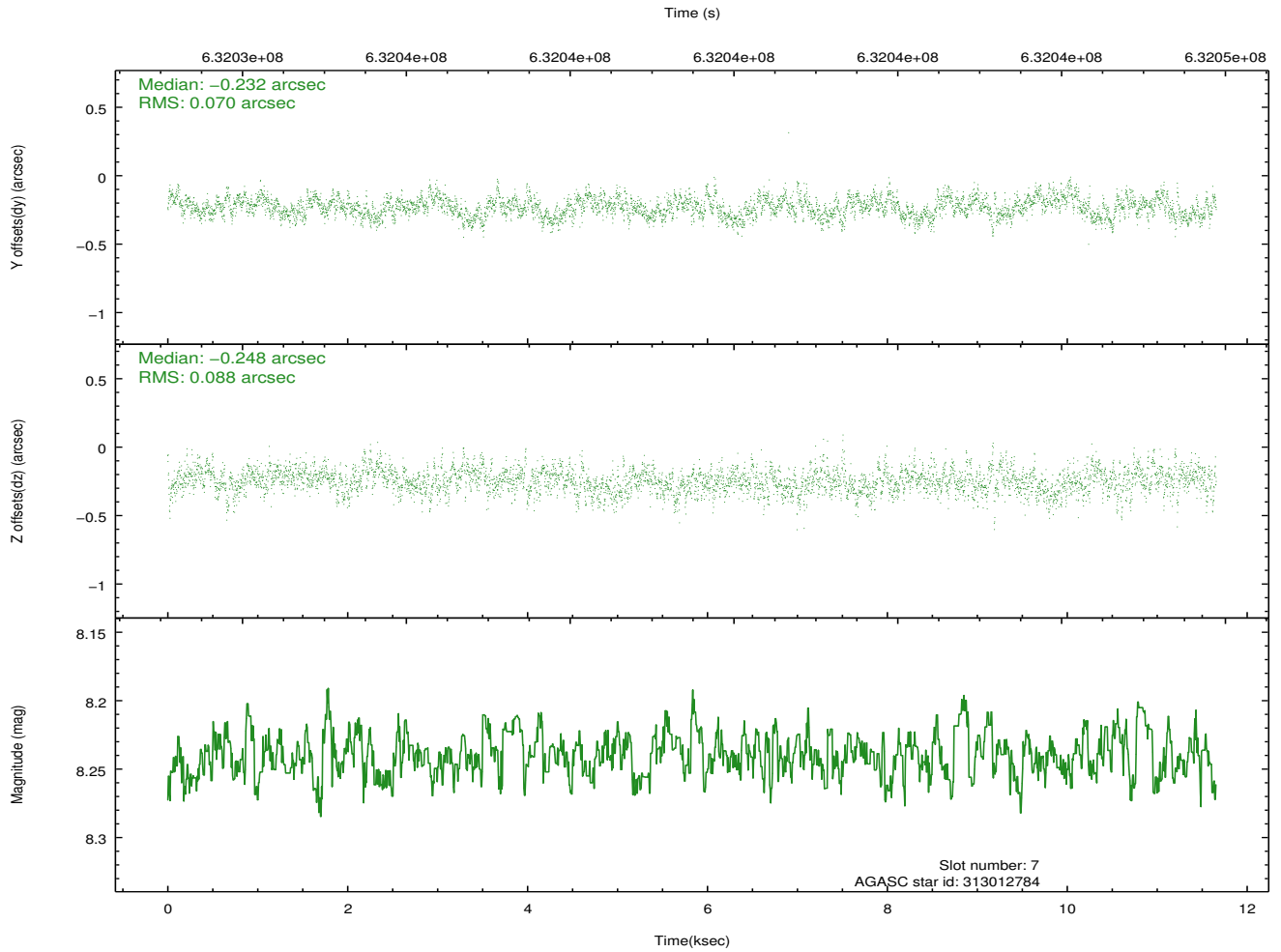
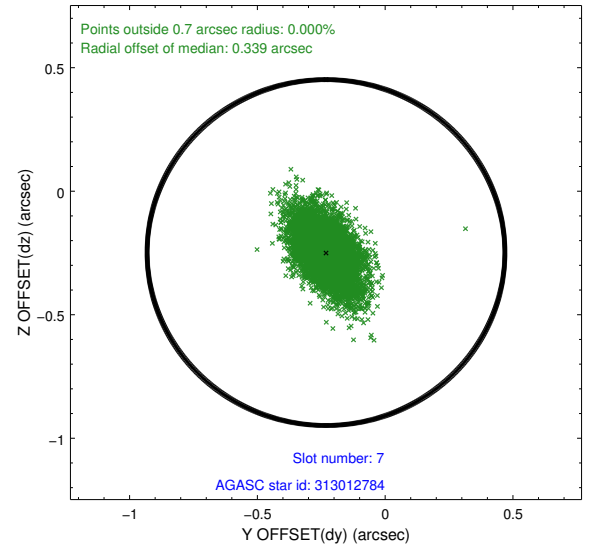
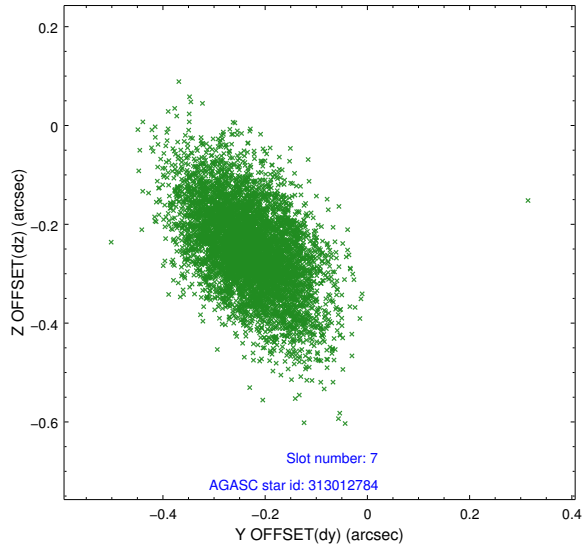
2.4.3 Slot 5



2.4.4 Slot 6

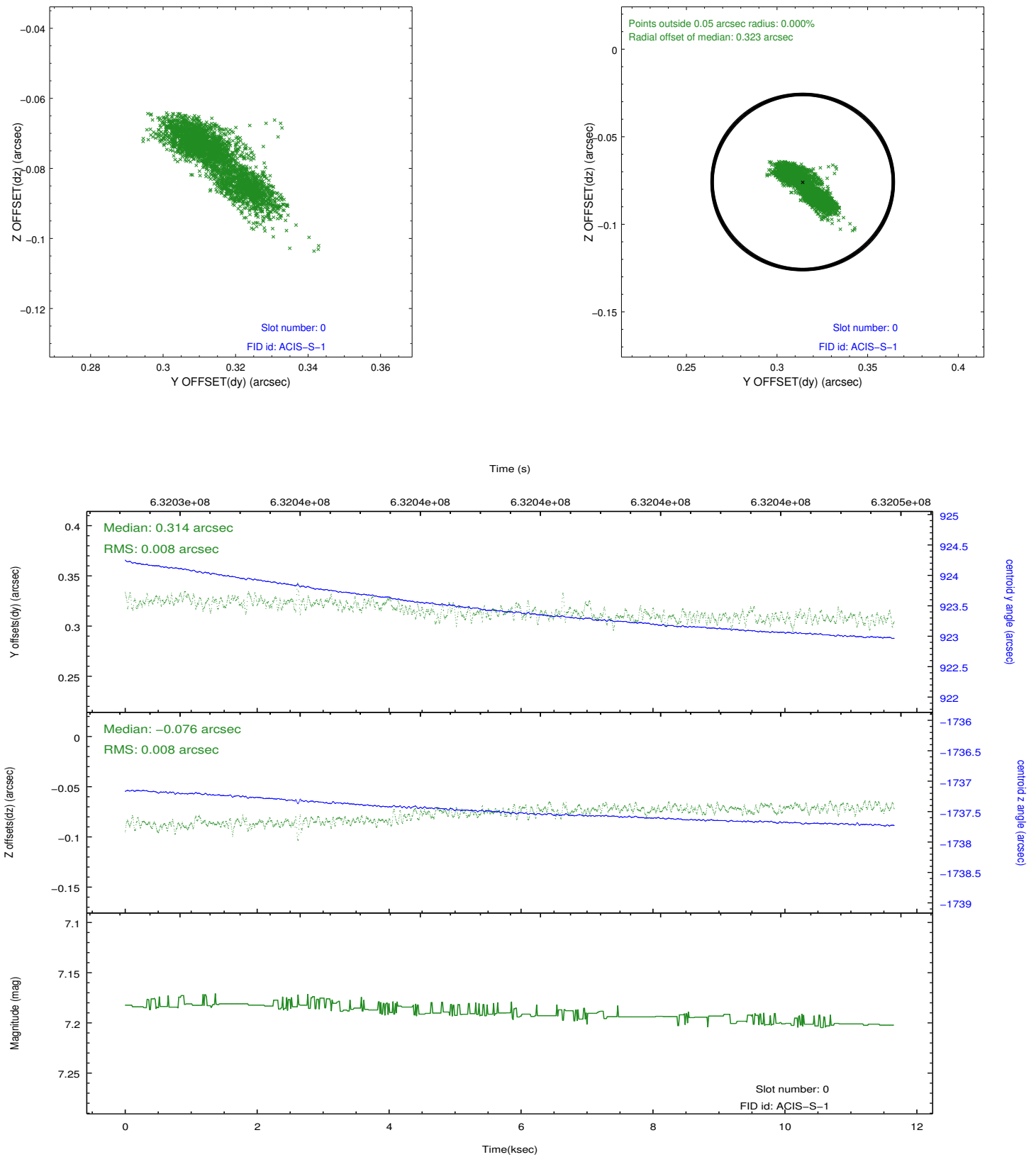


2.4.5 Slot 7

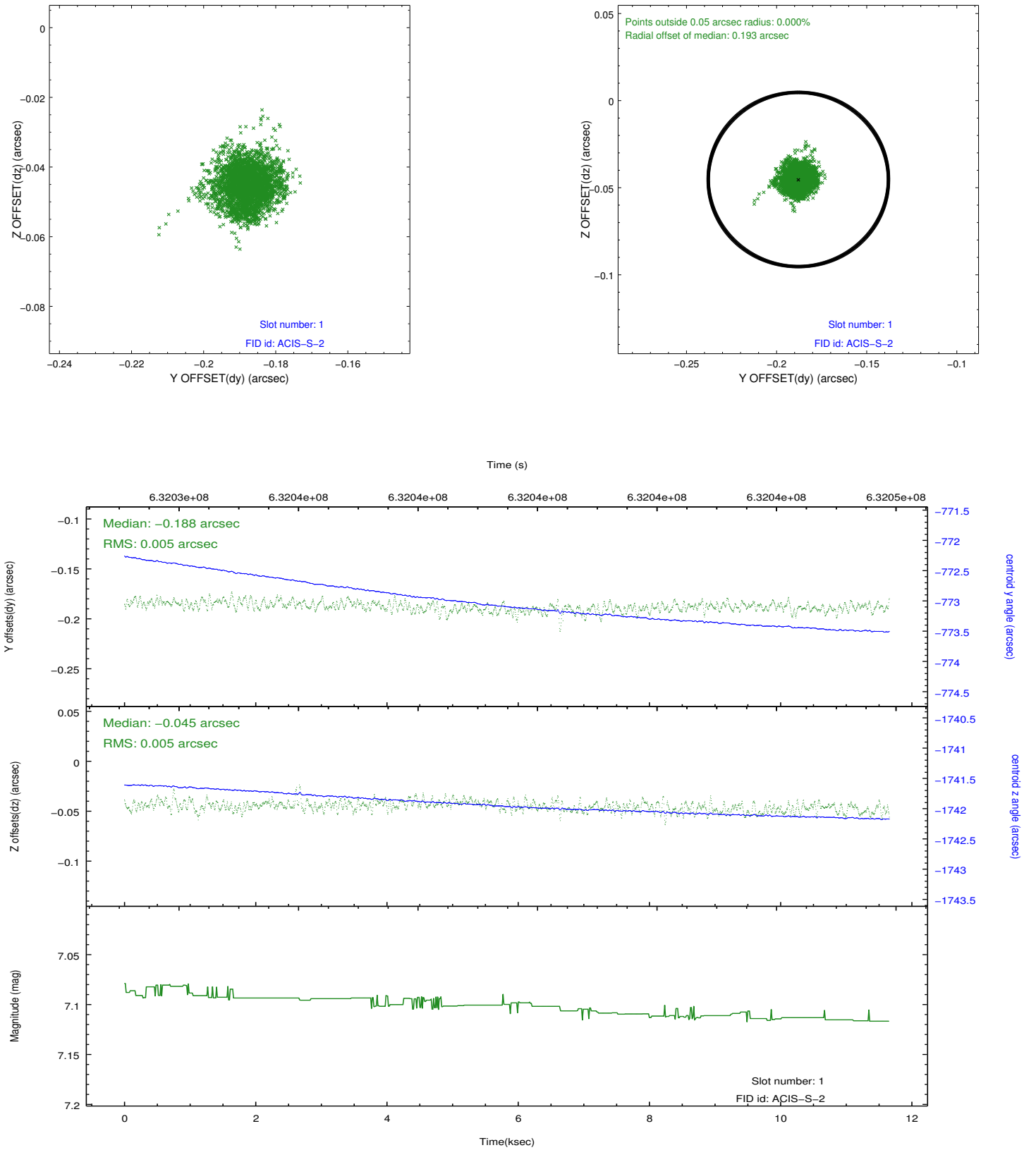


2.5 FID Slots

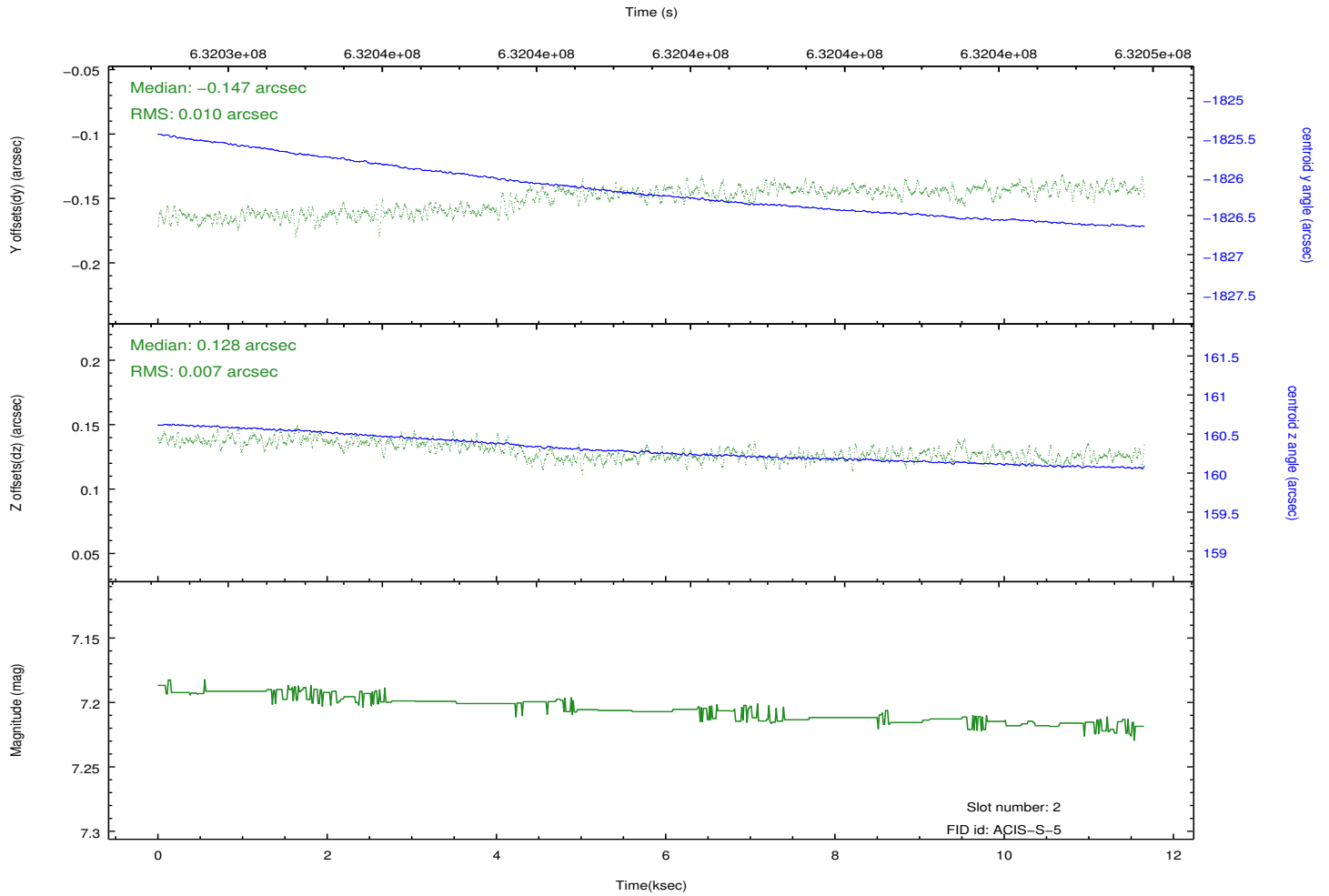
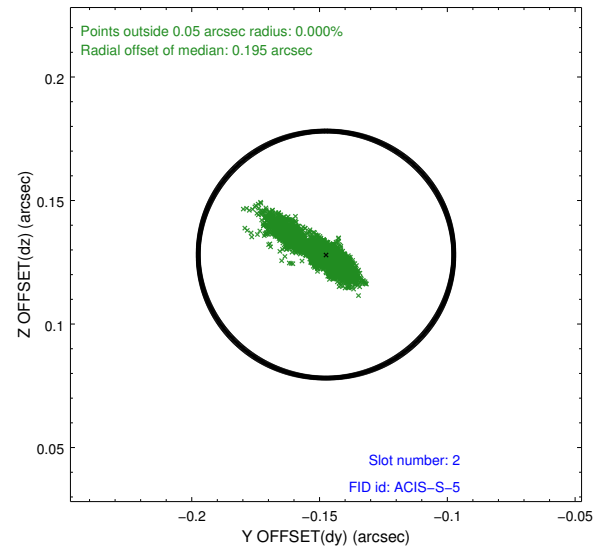
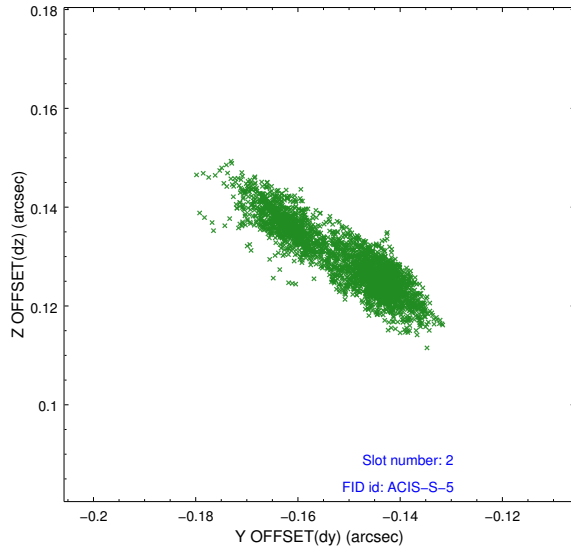
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2018.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.569194899917

A.2 Comments

Joint Proposal: CX0-HST. Monitor constraint met.